Thyrotoxicosis

- Thyrotoxicosis
  - ***Laboratory Findings***
    - suppressed TSH
    - elevation of T3
    - elevation free T4
    - elevation RAI
    - high TSI
  - ***Clinical Manifestations***
    - Tachycardia
    - Goiter
    - Nervousness
    - Tremor
    - Increased sweating
    - Hypersensitivity to heat
    - Skin changes
    - Palpitations
    - Fatigue
    - Weight loss
    - Eye signs
    - Diarrhea
    - Increased appetite
    - Eye complaints
  - ***Differential Diagnosis***
    - Anxiety neurosis
    - heart disease
    - anemia
    - gastrointestinal disease
    - cirrhosis
    - tuberculosis
    - pheochromocytoma
  - ***Treatment***
    - *Antithyroid Drugs*
      - propylthiouracil
      - methimazole
    - *Radioiodine*
      - indications
        - over 40
        - poor risks for surgery
        - recurrent hyperthyroidism
      - contraindication
        - Hyperthyroid children
        - pregnant women
    - **Surgery**
      - ***Indications***
        - large goiter
        - multinodular goiter
        - thyroid nodule
        - ophthalmopathy
        - pregnant patients
      - ***Preparation for surger***
        - Lugol's iodine solution
        - propylthiouracil
        - friability
        - vascularity
      - **Subtotal thyroidectomy**
        - hyperthyroidism
        - goiter
        - 5 g of thyroid
  - ***Ocular Manifestations of Graves' Disease***
    - (LATS)
    - von grafe's sign
    - Darlymple's sign
    - Stellwag's sign
    - Joffroy's sign
    - Moebius sign
    - Nafziger's sign
    - Mx
      - maintaining euthyroid
      - dark glasses
      - eye shields
      - diuretics
      - methylcellulose
      - glucocorticoids
      - lateral tarsorrhaphy
      - retrobulbar irradiation
      - surgical decompression